

DosiServ

Health Physics Dose Management Software



The DosiServ software is a Windows based stand-alone or enterprise application for dosimeter, personnel and exposure management. Through the easily maintained single database, DosiServ manages exposure data across a large or small population of dosimeters. DosiServ also organizes and maintains work permits, tasks, worker qualifications and health physics equipment.

Exposure data is downloaded and recorded at the dosimeter readers (reader work stations) with a user friendly and straightforward log-in/log-out process. It is also used to configure DMC3000, DMC2000 and SOR electronic self-reading dosimeters.

At the reader station, DosiServ checks exposure data and qualifications and grants controlled area access and initializes the dosimeter. DosiServ also complies and prints exposure reports according to task, area and/or work group.

Security levels are assigned for daily (worker) applications, systems configuration and system administration. DosiServ is customizable to meet the needs of specific users, locations and applications.

RELATED PRODUCTS

Dosimeters:
DMC 2000, SOR, DMC 3000
Readers:
LDM 220, LDM 320 D, LDM 320 W

FEATURES

- Real-time access with threshold customization
- Tasks and group tasks management
- Radiation work permit management
- Areas, sub area and group areas management
- Worker and company access criteria customization
- Worker data customization
- Official dose calculation customization for regulatory compliance
- Neutron dosimeter compliance
- Health physics equipment management
- Automatic records recovery after network failure

DosiServ

FUNCTIONAL CHARACTERISTICS

- Automatic acquisition of reader data
 - Area and sub-area access control (readers can drive access control devices)
 - Sub-area dosimeter acquisition mode
 - Worker/dose real-time tracking
 - Automatic information retrieval after network failure
- Real-time worker verification and dosimeter alarms customization when self-issuing dosimeter:
 - Identification
 - RWP, task authorization
 - Area authorization
 - Worker access criteria verification
- Entry-exit memory and visit assessment
 - Anomaly detection
 - Missing entry/exit assessment powerful algorithm
- Individual dosimetry management
 - Operational dosimetry recording
 - Official dosimetry recording
 - Entry and exit log
- Collective dosimetry management
 - Per area and per work group
 - Per task and task group with pre-assignment or task code entry
- Health Physics equipment management
 - Assigning equipment to workers
 - Tracking for unreturned equipment
 - Checking validity
 - Dosimeter calibration check at access
- Report printout
 - Individual, task, area, company reports
 - Company mail
 - Full or selective events log file
- System setup
 - System reader configuration
 - Network and site configuration (configuration memory)

- Security Management
 - Password protected access
 - Custom user profile creation
 - Layout screens limitations per profile
 - Data access filters per profile
 - Encrypted client/Server communication

HARDWARE SETUP

- Operating system and Database:
 - Client: Windows
- Easy client installation with no additional software
 - Server: Windows
 - Database installation required (Oracle 10g, SQL Server TCP/IP)
- Extensions, Options
 - Additional workstations
 - Connection to Televue for automatic worker data display
 - Remote maintenance
 - Redundant disks/processor
 - RS232/485 communication extensions



Daily dose history; per task

